ULTRA

GammaView Aluminus 2555
2-Port USB DVI KVM Switch with Audio
U12-40719
User Guide

GammaView Aluminus 4555
4-Port USB DVI KVM Switch with Audio
U12-40720
User Guide

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna;
• Increase the separation between the equipment and receiver;
• Connect the equipment into an outlet on a circuit different from that which the receiver is connected;
• Consult the dealer or an experienced radio/television technician for help.

RoHS
This product is RoHS compliant.

Package Contents

The GammaView Aluminus 2555 2-Port KVM Switch package contains the following items:
• 1 Ultra GammaView Aluminus 2555
• 1 KVM Cable Set (4 ft.)
• 1 User Guide
• 1 Registration Card

The GammaView Aluminus 4555 4-Port KVM Switch package contains the following items:
• 1 Ultra GammaView Aluminus 4555
• 2 KVM Cable Sets (4 ft. and 6 ft.)
• 1 Power Adapter
• 1 User Guide
• 1 Registration Card

Check to make sure that all the components are present and that nothing got damaged in shipping. If you encounter a problem, contact your dealer.

1

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

Overview

The GammaView Aluminus 2555/4555 takes a giant step forward from prior KVM switch models by offering DVI functionality, USB 2.0 peripheral sharing (via a USB hub attached to the USB mouse port), and a rich bass experience for 2.1 surround systems.

In addition to port selection buttons and hotkeys, the GammaView Aluminus 2555/4555 models offer the latest mouse port-switching functionality – simply double-click on a USB mouse's scroll wheel to change computer focus.

Furthermore, the GammaView Aluminus 2555/4555 features enhanced video synchronization technology which eliminates boot-up display problems and optimizes resolution when switching between ports.

Finally, the GammaView Aluminus 2555/4555's new power on detection feature means that if one of the computers is powered off, the KVM switch will automatically change focus to the other powered computer.

Featuring an unbeatable combination of DVI, USB 2.0, audio and enhanced user-friendly operations, the GammaView Aluminus 2555/4555 allow users to keep up with the latest innovations in desktop multimedia applications.

Features

• One KVM switch controls two or four computers
• Fully-digital DVI interface with HDCP supporting resolutions up to 1920x1200
• Computer selection via pushbuttons, hotkeys, and mouse shortcuts
• Supports Full 2.1 channel surround sound systems
• Multiplatform – Compatible with Windows 2000 / XP / Vista / 7, Mac*, Sun* and Linux
• Exclusive video synchronization technology which eliminates boot-up display problems and optimizes resolution when switching between ports
• Power on detection – Automatically switches computers when systems are powered off

2

• Supports wireless keyboards, mice and multimedia keyboards
  Note: 1. PC keyboard combinations emulate Mac/Sun keyboards.
  2. Mac/Sun keyboards work only with their own computers.

System Requirements

Console
• A DVI monitor capable of the highest resolution that you will be using on any computer in the installation
• A USB keyboard and mouse
• Speakers (optional)

Computers
The following equipment must be installed on each computer that is to be connected to the system:
• A DVI video port
• Two USB type A ports
• A speaker port (optional)

Cables
Only cable sets specifically designed to work with this switch may be used.
• The GammaView Aluminus 2555 package provides one KVM cable set (4 ft.) for up to two computers
• The GammaView Aluminus 4555 package provides two KVM cable sets (4 ft. and 6 ft.) for up to four computers
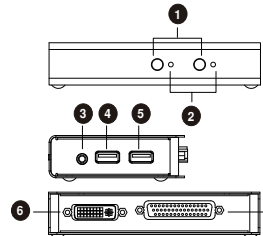
Operating Systems
Supported operating systems are shown in the table, below:

OS		Version
Windows		2000 / XP / Vista / 7
Linux	RedHat	6.0 and higher
	SuSE	8.2 and higher
	Mandriva (Mandrake)	9.0 and higher
UNIX	AIX	4.3 and higher
	FreeBSD	3.51 and higher
	Sun	Solaris 9 and higher
Novell	Netware	5.0 and higher
Mac		OS 9 and higher
DOS		6.2 and higher

3

Components
GammaView Aluminus 2555   GammaView Aluminus 4555
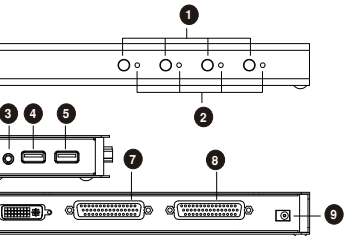
| No.	Component	Description
1	Port Selection Buttons	Press these buttons to change focus to the computer connected to the corresponding ports.
2	Port LEDs	The Port LEDs indicate status. The LED turns on to indicate computer focus. The LED flashes to indicate that the computer attached to its corresponding port is being scanned by the Auto Scan feature. The LED is off to indicate the port is not selected.
3	Console Audio Port	Your consoles' speakers plug in here.
4	Console Mouse Port	Your consoles' mouse plugs in here.
5	Console Keyboard Port	Your consoles' USB keyboard plugs in here.
6	Console Monitor Port	Your consoles' DVI monitor plugs in here.
7	KVM Ports (for 2 computers)	The KVM cables that connect the unit to the keyboard, mouse, video, and speaker ports on the computers you are installing can plug into any available port.
8	KVM Ports (for 2 computers)	
9	Power Jack	The power adapter plugs in here.

Installation

⚠ 1. Make sure that the power to any device that you connect to the installation has been turned off. You must unplug the power cords of any computers that have the Keyboard Power On function.
2. Make sure that all devices you will be installing are properly grounded.

1. Plug your keyboard and mouse into the USB ports, located on the side of the GammaView. The ports are labeled with appropriate icons.
2. Plug your monitor into the DVI port, located on the back of the GammaView. Power on the monitor.
3. Plug your speakers into the audio port located on the side of the GammaView (Optional).

4
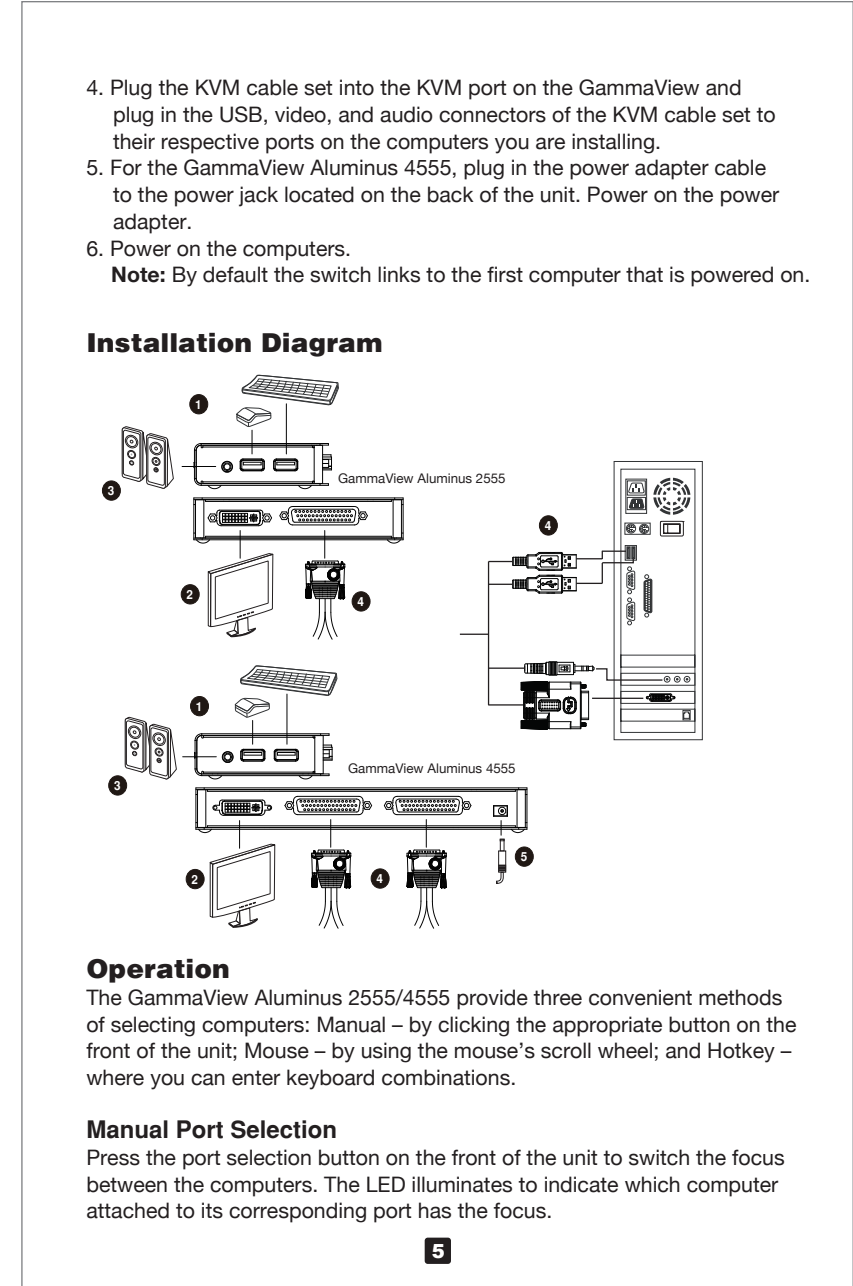
4. Plug the KVM cable set into the KVM port on the GammaView and plug in the USB, video, and audio connectors of the KVM cable set to their respective ports on the computers you are installing.
5. For the GammaView Aluminus 4555, plug in the power adapter cable to the power jack located on the back of the unit. Power on the power adapter.
6. Power on the computers.
   Note: By default the switch links to the first computer that is powered on.

Installation Diagram

GammaView Aluminus 2555

GammaView Aluminus 4555
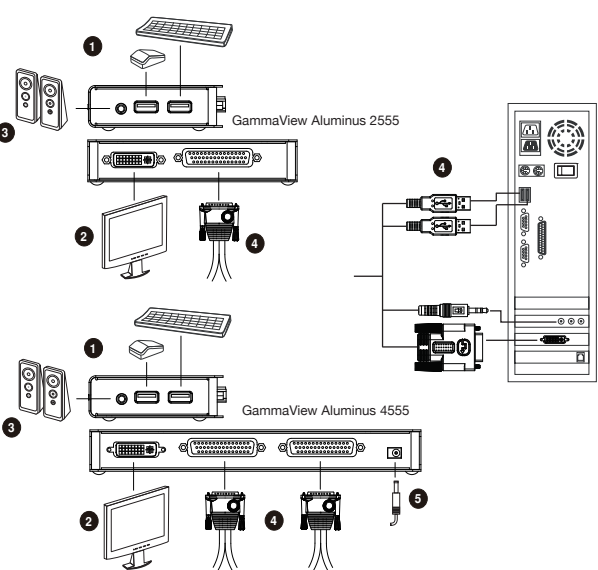
Operation

The GammaView Aluminus 2555/4555 provide three convenient methods of selecting computers: Manual – by clicking the appropriate button on the front of the unit; Mouse – by using the mouse's scroll wheel; and Hotkey – where you can enter keyboard combinations.

Manual Port Selection

Press the port selection button on the front of the unit to switch the focus between the computers. The LED illuminates to indicate which computer attached to its corresponding port has the focus.

5

Hotkey Port Selection

All hotkey operations begin by tapping the Scroll Lock key twice. See the Hotkey Summary Table for full details.
Note: If using [Scroll Lock] conflicts with other programs, [Ctrl] can be used instead.

Alternate Entering Hotkey Mode
• Press [Scroll Lock] [Scroll Lock] [x] [Enter]. The entering hotkey mode hotkey is now [Ctrl].
  Note: These procedures toggle between the two methods.

Alternate Entering Hotkey Mode

• Press [Scroll Lock] [Scroll Lock] [x] [Enter]. The entering hotkey mode hotkey is now [Ctrl].
  Note: These procedures toggle between the two methods.

Hotkey Summary Table

Combination		Function
[Scroll Lock] [Scroll Lock] +	[Enter]	Brings the computer focus from the current port to the next port on the installation. GammaView Aluminus 2555 (1 to 2; 2 to 1) GammaView Aluminus 4555 (1 to 2; 2 to 3; 3 to 4; 4 to 1).
	[n] [Enter]	Brings the computer focus to the computer attached to the port corresponding to the specified Port ID. The [n] stands for the computer's Port ID number. Replace the [n] with the appropriate Port ID when entering hotkey combinations. GammaView Aluminus 2555 (n = 1 or 2) GammaView Aluminus 4555 (n = 1, 2, 3, or 4)
	[k] [Enter]	Only toggles the KVM focus without Audio focus.
	[s] [Enter]	Only toggles the Audio focus without KVM focus.
	[a] [Enter]	Starts Auto Scan. The computer focus cycles from port to port at 5-second interval. To change scan interval, press [1], [2], [3], or [4]. [1]: 3 sec. [2]: 5 sec. [3]: 10 sec. [4]: 20 sec. To exit Auto Scan, press [Esc] or [Spacebar].
	[x] [Enter]	Toggles the hotkey invocation key between [Scroll Lock] and [Ctrl].
	[m] [Enter]	Enables/disables mouse emulation function. (Default: ON)
	[w] [Enter]	Enables/disables mouse port-switching function. (Default: OFF)
	[F2] [Enter]	Activates Mac keyboard mapping.
	[F3] [Enter]	Activates Sun keyboard mapping.
	[F10] [Enter]	Auto detects keyboard operating platform.
	[F4] [Enter]	Lists current switch settings. (within a text editor)
	[F5] [Enter]	Performs a keyboard and mouse reset.
	[d] [Enter]	Invokes the video synchronization function, which eliminates boot-up display problems and optimizes resolution when switching between ports.
	[r] [Enter]	Resets hotkeys to the default setting.

6

Mouse Port Selection

Simply double-click the scroll wheel on your mouse to switch between ports.
Note: 1. This feature is only supported by USB 3-button scroll wheel mice.
2. The default setting is OFF.
3. This feature is only supported when mouse emulation is also enabled. See Hotkey Summary Table for further details.

USB 2.0 Peripheral Sharing

The mouse port can accept any USB compatible peripheral. You can connect a USB hub (may require an extra power adapter) to install multiple USB devices.
Note: 1. The default setting is OFF.
2. Activate this function by disabling mouse emulation function. See Hotkey Summary Table for details.
3. Do not switch ports while a USB device is in operation.

Keyboard Emulation

PC Keyboard	Mac Keyboard	PC Keyboard	Sun Keyboard
[Shift]	Shift	[Ctrl] [T]	Stop
[Ctrl]	Ctrl	[Ctrl] [F2]	Again
⊞	⌘	[Ctrl] [F3]	Props
[Ctrl] [1]	🔇	[Ctrl] [F4]	Undo
[Ctrl] [2]	🔉	[Ctrl] [F5]	Front
[Ctrl] [3]	🔊	[Ctrl] [F6]	Copy
[Ctrl] [4]	⏏	[Ctrl] [F7]	Open
[Alt]	Alt	[Ctrl] [F8]	Paste
[Print Screen]	F13	[Ctrl] [F9]	Find
[Scroll Lock]	F14	[Ctrl] [F10]	Cut
🗐	=	[Ctrl] [1]	▭-▭
[Enter]	Return	[Ctrl] [2]	◑-🔊
[Backspace]	Delete	[Ctrl] [3]	◑-🔊
[Insert]	Help	[Ctrl] [4]	◐
[Ctrl] ⊞	F15	[Ctrl] [H]	☾
		🗐	Help
		🗐	Compose

Note: When using key combinations, press and release the first key (Ctrl), then press and release the activation key.

7

Troubleshooting

Symptom	Possible Cause	Action
Monitor does not display after the KVM cable set is hot-plugged.	DVI graphics card is not compatible with cable set hot-plugging.	Power off all devices including the KVM switch; confirm all KVM cables are properly connected; power the KVM switch then power the computers.
	Graphics card driver is not up-to-date.	Upgrade to the latest graphics card driver by visiting the manufacturer's website.
Mouse and/or keyboard is not responding.	KVM Switch needs to be reset.	Power off all devices including the KVM switch; wait five seconds; power on the KVM switch then power the computers.
Mouse port-switching function is not responding.	Mouse does not support this function.	This feature is only supported by USB 3-button scroll wheel mice.
	Mouse emulation is disabled.	Enable mouse emulation. See Hotkey Summary Table for details.
Cannot switch ports by pressing [Scroll Lock] twice.	Keyboard is incompatible with [Scroll Lock] invocation.	Switch to the alternate HSM invocation keys. See Alternate Entering Hotkey Mode for details.

Specifications

Function		GammaView Aluminus 2555
Computer Connections		2
Port Selection		Pushbuttons; Mouse; Hot Keys
Console Ports	Keyboard	1 x USB Type A Female (White)
	Mouse	1 x USB Type A Female (White)
	Video	1 x DVI-D Female (White)
	Speaker	1 x 3.5mm Speaker Jack (Green)
Computer Ports	Keyboard	2 x USB Type A Male (Purple)
	Mouse	2 x USB Type A Male (Black)
	Video	2 x DVI-D Male (Black)
	Speaker	2 x 3.5mm Speaker Jack (Green)
LEDs	Selected	2
Cable Length		4 ft.
Max. Video Resolution		1920 x 1200
Environment		Operating Temperature: 32 – 122 ° F Storage Temperature: -4 – 140 ° F Humidity: 0 - 80% RH Non-condensing
Housing		Metal
Weight		0.45 lb. (cables excluded)
Dimensions		4.92 x 3.15 x 0.98 in.

8

Function		GammaView Aluminus 4555
Computer Connections		4
Port Selection		Pushbuttons; Mouse; Hot Keys
Console Ports	Keyboard	1 x USB Type A Female (White)
	Mouse	1 x USB Type A Female (White)
	Video	1 x DVI-D Female (White)
	Speaker	1 x 3.5mm Speaker Jack (Green)
Computer Ports	Keyboard	4 x USB Type A Male (Purple)
	Mouse	4 x USB Type A Male (Black)
	Video	4 x DVI-D Male (Black)
	Speaker	4 x 3.5mm Speaker Jack (Green)
LEDs	Selected	4
Cable Length		4 ft. / 6 ft.
Max. Video Resolution		1920 x 1200
Environment		Operating Temperature: 32 – 122 ° F Storage Temperature: -4 – 140 ° F Humidity: 0 - 80% RH Non-condensing
Housing		Metal
Weight		0.67 lb. (cables excluded)
Dimensions		7.87 x 3.15 x 0.98 in.

Factory Default Hotkey Settings

Setting	Default
Port Switching	[Scroll Lock] [Scroll Lock]
Auto Scan Interval	5 seconds
Keyboard Operating Platform	PC Compatible
Mouse Emulation	On
Mouse Port-Switching	Off

9